

Abstract

The invention relates to measuring technique.

For increasing an accuracy of measurement of the flow of liquid and/or gaseous medium a method for ultrasonic measurement of the flow of liquid and/or gaseous media comprises radiating ultrasonic oscillations downstream or upstream relative to the flow of the medium to be measured, receiving oscillations passed through the medium with conversion into electrical signals, and radiating ultrasonic oscillations upstream or downstream of the medium to be measured, receiving oscillations passed through the medium with subsequent conversion into electrical signals, analyzing said electrical signals to determine difference in time for passage of ultrasonic oscillations downstream and upstream for calculation of the flow of the medium, wherein at least two reversible electroacoustic transducers are used, each of them having a directional diagram with a beam angle of not less than 60° in different cross section planes and being positioned on a measuring section of a pipeline in such a manner that the axis of the directional diagram is mainly perpendicular to the longitudinal axis of the pipeline.

On sheet of drawings.